ABSTRACT

An R-T-B system rare earth permanent magnet, which comprises at least main phase grains consisting essentially of $R_2T_{14}B$ compounds and a grain boundary phase having a higher amount of R than the above described main phase grains, and
which satisfies the following formulas:

$AVE(X)/Y$ = 0.8 to 1.0; and

$(X/Y)max/(X/Y)min$ = 2.0 to 13.0,

wherein X represents (the weight ratio of heavy rare earth elements)/(the weight ratio of all the rare earth elements) for a given number of the above described main phase grains in the above described sintered body;

Y represents (the weight ratio of heavy rare earth elements)/(the weight ratio of all the rare earth elements) for the sintered body as a whole;

$AVE(X)$ represents the mean value of X obtained for the given number of the main phase grains;

$(X/Y)min$ represents the minimum value of (X/Y) obtained for the given number of the main phase grains; and

$(X/Y)max$ represents the maximum value of (X/Y) obtained for the given number of the main phase grains.